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September 27, 2001

Assistant Commissioner for Patents  
Washington, D.C. 20231  
Attention: Box PATENT APPLICATION

Attorney Docket No.: 28549/165404

Sir:

Submitted herewith is a patent application under 37 C.F.R. § 1.53(b) for:

Inventor: Mark D. ROBERTS  
James L. RICHARDS

Title: METHOD AND APARATUS FOR IMPROVING RECEIVED SIGNAL  
QUALITY IN AN IMPULSE RADIO SYSTEM

**This is a Non-Provisional Application.**

The application includes:

X Substitute drawings (11 sheets, Figures 1-10)

Fee (see formula below) - Check Enclosed:

18 Claims over 20	\$162
3 Independent Claims over three	\$120
Basic Filing Fee	\$355
Oath or declaration surcharge	\$ 65
<b>TOTAL FEES</b>	<b><u>\$702</u></b>

If no check is enclosed or if a greater or lesser fee is required, please charge or credit  
Deposit Account No. 22-0261 accordingly and notify the undersigned.

Please address all communications to:

VENABLE  
Post Office Box 34385  
Washington, DC 20043-9998  
Telephone: (202) 962-4800  
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Respectfully submitted,

Robert S. Babayi

Registration No. 33,471

DC2/319548

::ODMA\PCDOCS\DC2DOCS1\319548\1

Mark D. Roberts  
Appl. No. 09/879,226



**FILING RECEIPT**  
**PLEASE DATE STAMP AND RETURN TO US - BOX 34385**

In re application of

Mark D. Roberts

Appln. No.: 09/879,226  
Confirmation No. 3746

Group Art Unit: 2631

Filed: June 13, 2001

Examiner: (Unassigned)

For: METHOD AND APPARATUS FOR  
IMPROVING RECEIVED SIGNAL  
QUALITY IN AN IMPULSE RADIO SYSTEM

Customer No.:



26694

PATENT TRADEMARK OFFICE

PAPER(S) FILED ENTITLED:

1. (11 sheets of Substitute Drawings (Figures 1-10)  
*[w/check no. 5681 in the amount of \$702.00]*

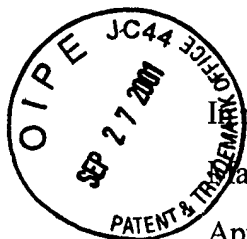
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DOCKET NO.: 28549-165404  
ATTORNEY/SEC: RSB/bmh

Date Filed: September 27, 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

# 4



In re application of:

Mark D. Roberts

Appl. No. 09/879,226  
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Filed: June 13, 2001

For: METHOD AND APPARATUS  
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Art Unit: 2631

Examiner: (Unassigned)

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Customer No.:



26694

PATENT TRADEMARK OFFICE

**SUBMISSION OF SUBSTITUTE DRAWINGS**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Submitted herewith are sheets of formal drawings containing Figures 1-10.

Date: September 27, 2001

Respectfully submitted,

Robert S. Babayi

Registration No. 33,471

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#49



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
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WASHINGTON, D.C. 20231  
www.uspto.gov



APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/879,226	06/13/2001	James L. Richards	28549-165404

CONFIRMATION NO. 3746

## FORMALITIES LETTER



\*OC000000006418533\*

Robert S. Babayi  
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Date Mailed: 08/13/2001

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

08/23/2001 MABD11 00000041 09879226

FILED UNDER 37 CFR 1.53(b)

01 FC:201	355.00 OP
02 FC:202	120.00 OP
03 FC:203	162.00 OP
04 FC:205	65.00 OP

*Filing Date Granted*

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 355 to complete the basic filing fee and/or file a small entity statement claiming such status (37 CFR 1.27).*
- Total additional claim fee(s) for this application is \$282.
  - \$162 for 18 total claims over 20.
  - \$120 for 3 independent claims over 3.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 702.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

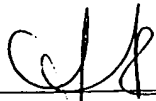
The required item(s) identified below must be timely submitted to avoid abandonment:

- A substitute specification in compliance with 37 CFR 1.52 because:
  - Papers contain improper margins. *Each sheet must have a left margin of at least 2.5 cm (1") and top, bottom and right margins of at least 2.0 cm (3/4")*

A copy of this notice **MUST** be returned with the reply.

AUG 15 2001

RR

A handwritten signature in black ink, appearing to be 'CJH', is written over a horizontal line.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY